



# **UNIT MOVEMENT DATA**

**UMODA03  
TBOLC 500-500-09  
MWOBC 882X1B03**

# References

FORSCOM/ARNG Reg 55-1: *Unit Movement Planning* ,Chapter 1

FORSCOM/ARNG Reg 55-2: *Unit Movement Data Reporting* ,Chapters 2 and 4

TB 55-46-1: *Standard Characteristics for Transportability of Military Vehicles and Other Outsized/Overweight Equipment*

# Scope of Lesson

- **Unit Movement Data Information Systems and Reports**
- **TB 55-46-1**



# Unit Movement Data Defined

“Unit Movement Data (UMD) is a list of equipment and supplies the unit plans to deploy to accomplish its mission. It includes the transportability data necessary to plan the move.”

**Ref: FORSCOM/ARNG REG 55-1 pg 6**



# UMD - General

- UMD - The information of record for planning & executing movement of Army units (AC & RC)
- All deployable units (Active Component, Army National Guard and U.S. Army Reserve) are responsible for updating UMD & ensuring data is maintained accurately (using the Transportation Coordinators'-Automated Information for Movements System II [TC AIMS II] & updates transmitted to FORSCOM
- Supporting Installations & Mobilization Stations support units for UMD update and reporting

# UMD Information Systems

**TC-*AIMS II*** (Transportation Coordinator Automated Information  
for Management System Two)

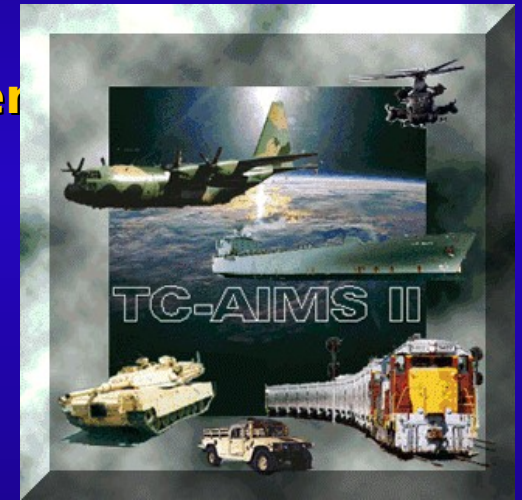
**CM-*PASS*** (Computerized Movement Planning and Status System)

**JO-*OPES*** (Joint Operational Planning and Execution System)

**GC-*CCS*** (Global Command and Control System)

**JO-*FRG II*** (Joint Force Requirements Generator)

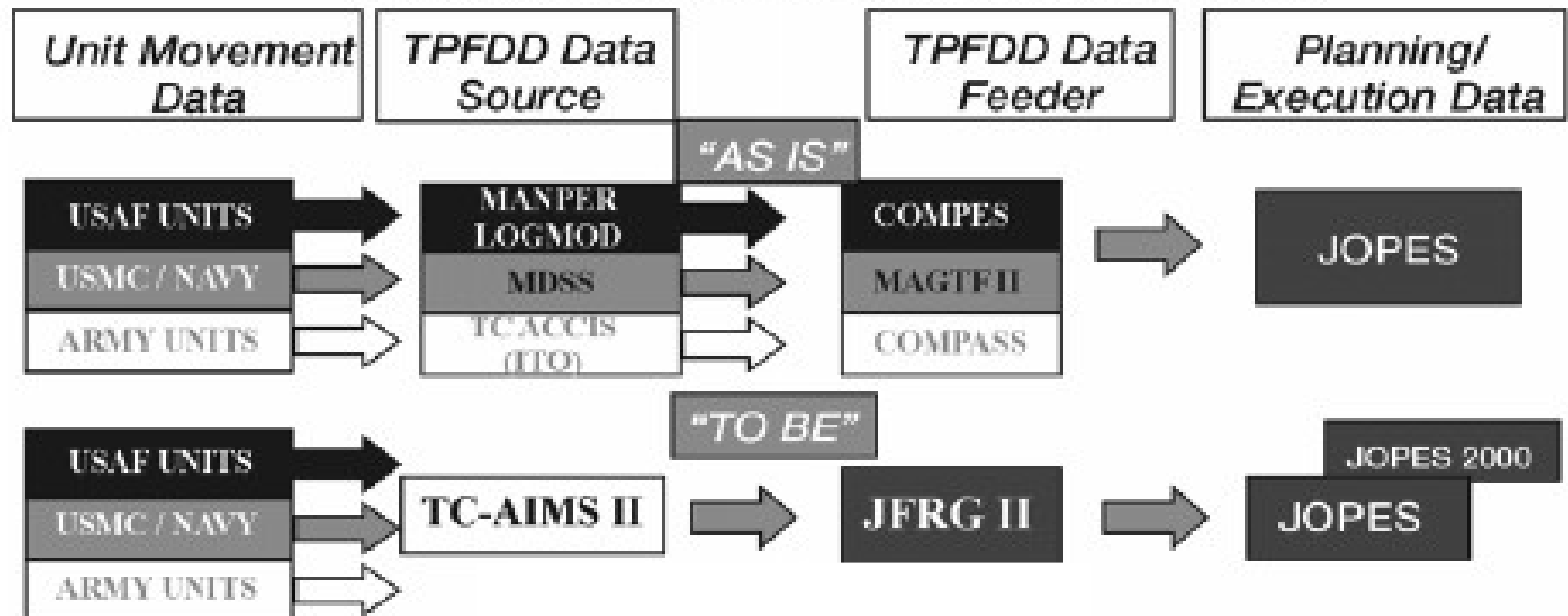
**TC-*CCIS*** (Transportation Coordinator Automated Command and Control  
Information System)



# Joint Deployment Information Systems Improvement

## Leveraging Current Capabilities

### Preparing for Future Technological Advances





# TC-AIMS II Information Flow



UMC / ITO MACOM(FORSCOM)

JCS



TC-AIMS II JFRG II / COMPASS

JOPES

---

UNCLASSIFIED

---

SECRET



# Computerized Movement Planning and Status System (COMPASS)

- FORSCOM's information system & database
- Provides accurate & timely UMD to DOD, JCS, HQDA, Army installations & units
- Database supports planning & execution
- TC-AIMS II is the primary source of UMD submission into COMPASS

# TC-AIMS II

- Transportation Coordinators'-Automated Information for Movements System II
- Automated system used by units and installations for updating & maintaining UMD



# UMD Update & Maintenance Requirements

- FORSCOM requirements dictate that UMD must be current & accurate at all times
- FORSCOM requires UMD to be validated at least annually by all units & updated whenever a significant change in transportation requirements occurs

# Significant Transportation Requirement Change

- Significant transportation change: Any increase or decrease in unit movement requirements that results in:

Addition or subtraction of one or more rail cars, semi-trailers, trucks, passenger conveyances (buses)

Requires the allocation of more (or less) aircraft or ship deck space

# No Change Reports

- A “No Change” report must be submitted by units with no changes to report for the update period
- The UMC processes the “No Change” report with other units’ updates

# Organizational Equipment List (OEL)

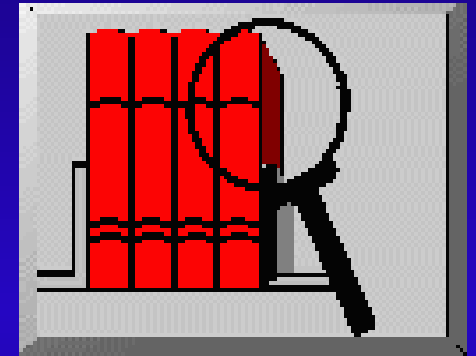
- OEL - Most commonly used UMD report
  - Contains:

Lists individual pieces of unit equipment and provides their dimensional characteristics, mode of transportation to the POE and square footage



# FORSCOM Reg 55-2, Data Reference Tables

- Reference:  
FORSCOM Reg. 55-2,  
Chapter 4
- Data Reference Tables for OEL Reports  
(Figures 4-1 and 4-3)
- Explains key data elements (Figures 4-2 and 4-4)



# Unit Deployment List (UDL)

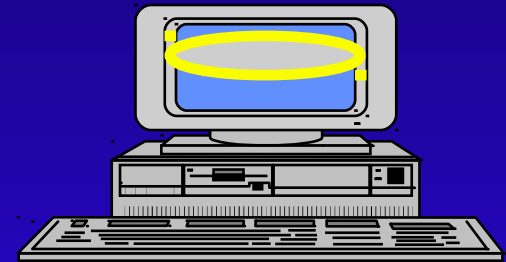
- UDL - An OEL tailored to reflect the actual equipment being deployed for a specific operation/exercise
- OEL must be developed to show actual movement requirements



# TC-ACCIS/TC-AIMS II Terminology

TC-ACCIS

TC-AIMS II



AUEL  
(OEL)

Organizational Equipment List

DEL

Unit Deployment List (UDL)

# FORSCOM Reg 55-2

## Tables 5-1 to 5-6

- Provide codes extracted from MILSTAMP manual
- Codes include:
  - Water Commodity Code (WCC)
  - Type Cargo Code (TCC)
  - Special Handling Code (SHC)
  - Mode to POE Code (MPE)
  - Type Pack Code (TPC or TP PK)
  - Type Equipment Code (TE)
- Codes used in AUDEL/DEL reports

# MILSTAMP Codes

- Commodity Code - 5 positions eg 885 Z 9
  - Positions one through three - Water Commodity Code (WCC)
  - Position four - Type Cargo Code (TCC)
  - Position five - Special Handling Code (SHC)

FOR OFFICIAL USE ONLY  
Page 1 of 12

Equipment  
UIC: WAD1T0 Unit Name: 0041 IN BN 02 HH

Shipment Unit Number	Echelon	LIN	LIN Index	Dimensions in Inches			Square Feet	Cubic Feet	Item Weight in Lbs.	Planned Loaded Weight	Actual Loaded Weight	TP PK	Water/Air Com Cd	Water/Air T C	Water/Air S H C	Water/Air M P E	W A I V E R	CGO CAT	H L C	M-Ton	S-Ton
D0001 00	/	D12087	07	192	100	84	133.33	933.33	19996	22496	19996	VE	876 V	Z	9	K	N	A2 D B		23.33	10
UIC: WAD1T0 Equipment Desc: CARRIER PERS FTRAC				Model: M113A1				Bumper Number: TNG 1				Serial Number: 11									

D0002	00	J81750	02	258	117	104	209.63	09	Water/Air Commodity Cd	09	47
UIC: WAD1T0 Equipment Desc: INFANTRY FIGHTING VEH Model: M2								PK		CH	PE
								VE	876		
D0003	00	J81750	02	258	117	104	209.63	09	Bumper N	09	47
UIC: WAD1T0 Equipment Desc: INFANTRY FIGHTING VEH Model: M2											

**UIC: WAD1T0      Equip Desc: CARRIER PERS FTRAC**

**TP**  
**PK**  
**VE**

**WCC**  
**Water/Air**  
**Commodity**  
**Cd**  
**876**

# TCZ

# SHC 9

**MPK**

\* ER = Error. Multiple Mode to Port Codes.

PCFTRA 6 prevented the M-Ton calculation.

RS FTIRAC



# MILSTAMP Codes (Cont)

- Table 5-6: Type Equipment Codes (TE)
  - Identifies the type of equipment being moved
  - Example: Code “3” indicates ‘Vehicles, wheeled (self propelled), 2-1/2 ton or less’
  - Example: “M” indicates ‘Class A explosives’
  - Example: “C” indicates ‘Vehicle, tracked or half tracked except tanks and self-propelled artillery’ - code for tractor from the OEL

# MILSTAMP Codes (Cont)

TRK CGO D/S 2.5 Ton with Flammable Liquids

<u>COMM CODE</u>			<u>TPC</u>	<u>MPE</u>
867	R	4	VO	← 1 Convoy to SPOE

↑  
WCC - Wheeled vehicles, self-propelled, 2.5 ton capacity or less

↑  
TCC - Flammable Liquids, UN Class 3 (not Class B)

↑  
SHC- Hazardous and Sensitive Cargo

↑  
Fully operational self-propelled vehicle

# SUMMARY



On  
Learnin  
g



# On Learnin g

Question 1: What automated information system does the UMO use to create and maintain UMD?

Answer 1: Transportation Coordinators'-  
Automated Information for Movements  
System II



# On Learnin g

Question 2: What UMD report is prepared by the unit to reflect the actual equipment being deployed for a specific operation?

Answer 2: The Unit Deployment List (UDL) is an Organizational Equipment List (OEL) that has been tailored to reflect the actual equipment being deployed for a specific operation





# On Learnin g

Question 3: What reference identifies UMD reporting requirements for CONUS Active Component and Reserve Component Units?

Answer 3: FORSCOM Regulation 55-2, *Unit Movement Data Reporting* identifies UMD reporting requirements.



# On Learnin g

Question 4: When is the unit's UMD required to be updated?

Answer 4: The UMD is updated annually and whenever there is a significant change in the unit's equipment or personnel that changes the unit's transportation movement requirements.

**TB 55-46-1**  
**Standard Characteristics**  
**for Transportability of**  
**Military Vehicles and Other**  
**Outsized/Overweight**  
**Equipment**

# TB 55-46-1

## Familiarization

- Provides dimensions, weight & cube for:
  - Military vehicles
  - Vehicle-mounted equipment
  - Outsize/overweight equipment
- Organizations use data as the standard reference when developing/reporting movement requirements
- Information for planning purposes only, units must report actual dimensions & weight in their OEL

# TB 55-46-1

## Familiarization

### (Cont)

- Data specifically oriented to unit movement transportability/deployability considerations
- Compatible with COMPASS/JFRG II and JOPES
- Remember, doesn't replace actual UMD

# TB 55-46-1

## Familiarization

### (Cont)

- Lists all military outsized/overweight equipment having dimensions and/or weight EQUAL TO or EXCEEDING:
  - + 104 inches long
  - + 84 inches wide
  - + 50 inches high
  - + 5000 pounds or more
- Dimensions/weight must be equal to or greater than any one of the above criteria for a piece of equipment to be listed in the TB



# TB 55-46-1

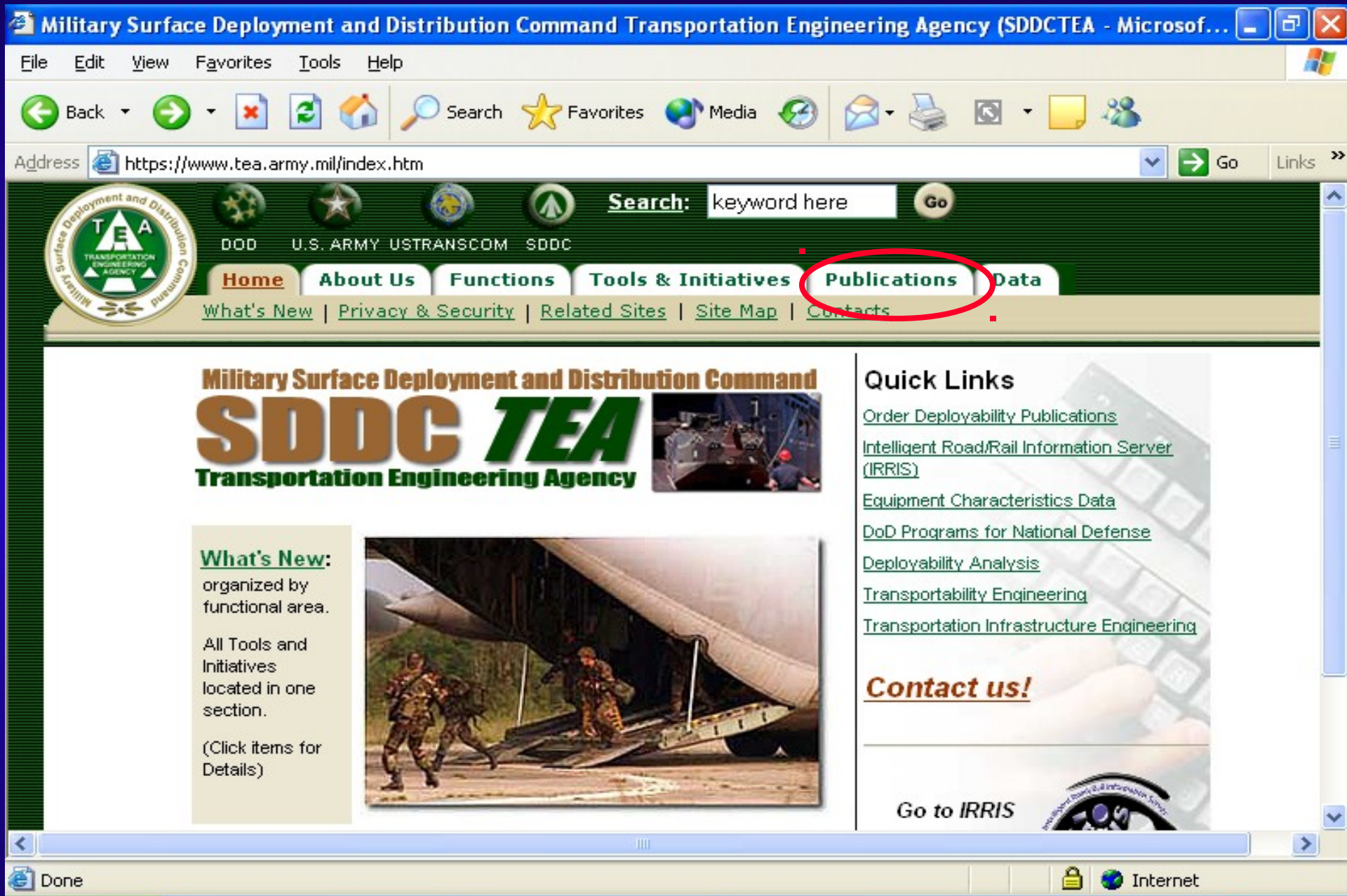
## Familiarization

### (Cont.)

- Data for all military equipment, including items excluded from the hardcopy TB 55-46-1, are available online at:

<https://www.tea.army.mil/pubs/default.asp>  
(AKO password required)

- SDDC TEA also produces a CD that contains this information




**Military Surface Deployment and Distribution Command Transportation Engineering Agency (SDDCTEA - Microsof...**

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  - Field Guidance Pamphlets
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  - Highway Engineering Studies
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  - Ports for National Defense
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### Equipment Characteristics: TB 55-46-1



## Welcome to TB 55-46-1 On-Line.



Please enter any search criteria, then press **Submit Query**.  
Data last updated - December 26, 2001

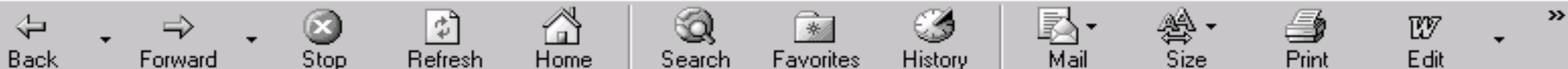
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[LIN](#)

Begins with L46979

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[NSN](#)

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Begins with

[SHIP DESC](#)

Begins with

[EQUIP CODE](#)

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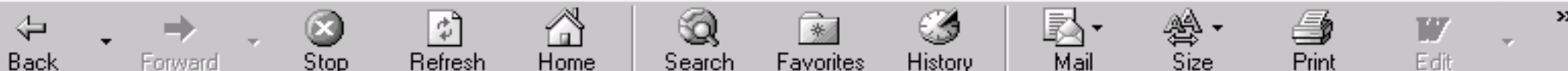
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The data provided on this page last updated - December 26, 2001

Questions / Comments about this page - [Keith Turner](#)

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Column Header links will open a definition page in a new window. Click **LIN** links to see all fields for the selected entry.

<a href="#">Lin</a>	<a href="#">Lin index</a>	<a href="#">Item Desc</a>	<a href="#">NSN</a>	<a href="#">Model</a>	<a href="#">Comp Desc</a>	<a href="#">Ship Desc</a>
<a href="#">C12155</a>	01	CARRIER PERS F/TRACK	2350010853792	M981		OPERATIONAL

Current page = 1 of 1

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## Image

[Model](#)

M981

[Lin](#)

C12155

[Lin Index](#)

01

[Sec Lin](#)[NSN](#)

2350010853792

[Item Description](#)

CARRIER PERS F/TRACK

[Comp Desc](#)[Ship Desc](#)

OPERATIONAL

[Equip Desc](#)Tracked or Half-Tracked Vehicles except for Tanks  
and Artillery[PV Code](#)

V

# TB 55-46-1

## Familiarization

TB 55-46-1 contains 3 Chapters, 3  
(Cont)  
Appendixes

- Several ways to retrieve data
  - If TOE LIN is known, go to Chapter 3
  - Use cross reference in Appendix B & C
    - + Appendix B crosses NSN to TOE LIN
    - + Appendix C crosses model description to TOE LIN



# TB 55-46-1

## Chapter 1

- Chapter One contains:

What is covered by TB

Important definitions

Data specifications

- UMD Reporting procedures using  
TB

# Definitions

★ **Line Item Number (LIN)** - A six-character alphanumeric identification assigned to a generic nomenclature to describe collectively all NSN items possessing the functional capability expressed by the LIN description

eg: X 4 0 7 9



Truck Cargo D/S 5 Ton

- M813A1
- M54A2C
- M54A1C
- M923
- M923A1
- M923A2

# Definitions (Cont)

- **National Stock Number (NSN)** - The NSN consists of 13-digit number assigned by the Defense Logistics Services Center:
- eg: 1055010920596



MLRS

# Definitions (Cont)

- **Set:** A group of major end-items
  - The entire set is assigned a LIN. This is the 'primary' LIN for the set
  - Each major end-item within the set is referred to as a secondary item and is identified by its own "secondary" LIN and NSN

# SET

TOE LIN ( INDEX ) NO	NATL STOCK NO. (SET) (TOE LIN)	COMP	VEHICLE	TYPE EQUIP	LIN DESCRIPTION ( MODEL ) COMPO DESCRIPTION
Primary LIN					
R93035	(SET)				RADIO TERMINAL SET
V 03	Remarks		R	U	AN/TRC-170V3
	5820011483976			3	AN/TRC-170V3
Secondary LIN	(G42170)				GEN SET DED TRL MTD
V 01	6115013199032		R	6	PU-798
	(T07679)				TRK UTIL. HVY HMMWV
V 36	230013469137		R	3	M1097

# Definitions (Cont)

- Vehicle: Term including trucks, trailers, semi-trailers, amphibious & tracked vehicles, tanks, artillery (self-propelled & towed), floating craft (self-propelled & towed), rail cars, locomotives, aircraft (including helicopters) & wheel or track-mounted equipment





# Chapter 2-3: Data

## Dimensions: Specifications

- Length: Horizontal dimension measured from end-to-end. Rounded up to next inch
- Width: Horizontal dimension measured from side-to-side. Rounded up to next inch
- Height: Vertical dimension measured from ground level to the highest reference point. Rounded up to the next inch
- Surface Vehicle Weight (less heavy armor vehicles/tanks): Includes all on-equipment material (OEM), such as basic issue items (BII), and three-quarters of a tank of fuel. It does not include crew weight, baggage, or payload.

# Chapter 2-3

## Data Specifications (cont)

- Dimensions (cont):
  - **Cube**: The volume of space occupied by the item
  - FORMULA:  
$$(L \times W \times H) / 1,728 = \text{cubic feet}$$

inches
  - **Round up** to the next cubic foot



# Chapter 2

## Tables 2-1 to 2-4

- Tables 2-1 to 2-6 contain information on the transportability of equipment by aircraft
- Tables 2-1 & 2-2 contain information on the cargo constraints of various aircraft (maximum cargo weight, height, weight, etc)
- Table 2-3 provides guidance on the number and dimensions of 463L pallets that can be carried on CRAF aircraft
- Table 2-4 details aircraft Allowable Cabin Loads (ACL)

# Chapter 2

## Tables 2-5 and 2-6

- **Table 2-5: Cargo Category Codes**

**Position 1:** Identifies the type of equipment  
(CCC)

**'A'** = Vehicles (wheeled and tracked), self propelled or non-self-propelled and are not suitable for road marching on overland deployment legs

**'R'** = Wheeled vehicles (self propelled or non-self propelled), suitable for road march on overland deployment legs and capable of convoy speeds up to 40 mph.

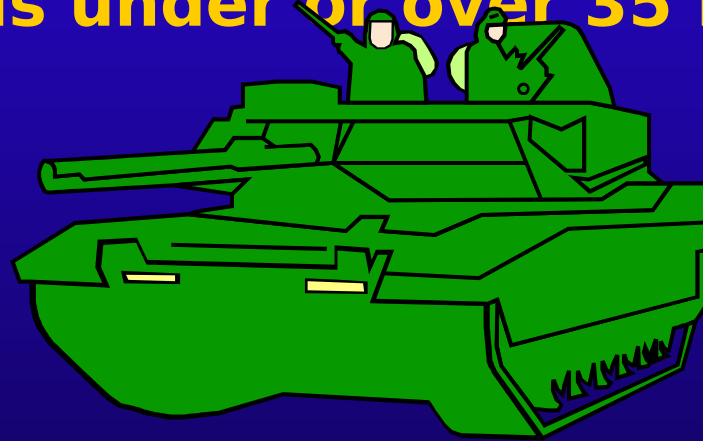
**Position 2:** Indicates if an item of equipment is non-air transportable, outsized, oversized or bulk

**Position 3:** Indicates whether an item of equipment can or cannot be containerized

# Chapter 2

## Tables 2-5 and 2-6 (Cont)

- **Table 2-6: Heavy Lift and Dimensions Codes (H)**
  - A code which identifies the weight bracket of the item (in short tons) and indicates whether it is under or over 35 feet in any dimension



# Cargo Category Codes

First Position: Vehicle/Equipment Type



**ABRAMS MBT**

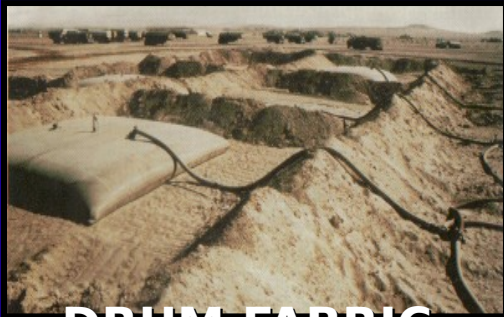


**KIOWA WARRIOR**



**LCU 2000**

A = Non-roadable vehs  
B = Non-self deployable  
C = Floating Craft  
aircraft (uncrated)



**DRUM FABRIC  
FUEL**



**M998**

J = Non-vehicular cargo  
M = Ammunition  
R = Roadable Vehicles

# Cargo Category Codes

## Second Position: Air Transportability

0 = Non-Air transportable



C-5

1 = Outsized Equipment



C-5



C-17



C-141



C-130

2 = Oversized Equipment



C-141

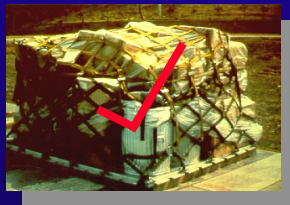


C-130



463L Pallet

3 = Bulk Equipment



463L Pallet



# Cargo Category Codes

## Third Position: Containerization

B = Fit in 20-foot Container

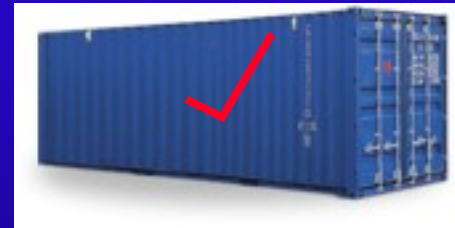


20-foot Container (MILVAN)

C = Fit in 40-foot Container but not a 20-foot container



20-foot Container (MILVAN)



40-foot Container

D = Cannot be containerized



40-foot Container

# Heavy Lift and Dimension Codes

Codes A - P categorize by weight and dimensions

- **Codes A - G** = variable weight and less than 35 feet in any dimension
- **Codes H - P** = variable weight and more than 35 feet in any dimension



# Chapter 2

## Tables 2-7 to 2-15

- Tables 2-7 to 2-15 :
  - Contain dimensions & cargo-loading capacity of military general-purpose cargo trucks, dump trucks, trailers, semi-trailers, amphibious vehicles, landing craft & helicopters including:
    - + Cargo deck dimensions
    - + Loading height of cargo carrying vehicles





## TABLE 2-7 CARGO DECK DIMENSIONS

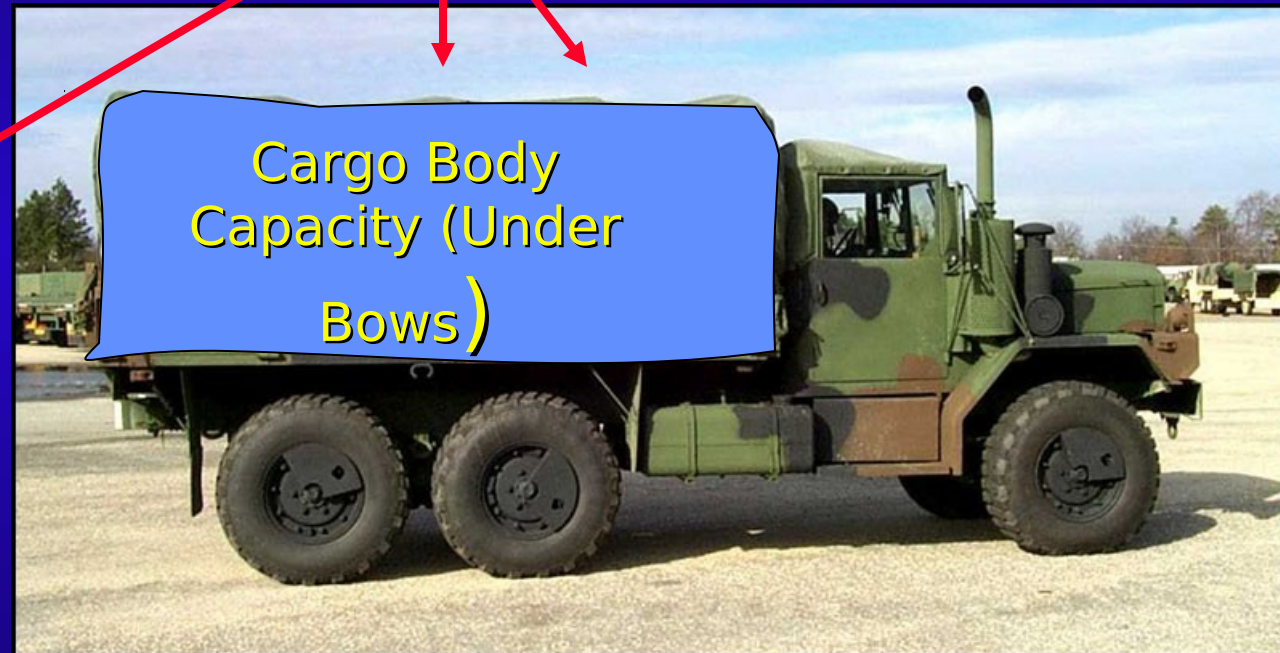
Cargo Deck				Cargo Body Loading Height and Capacity					
Vehicle Type (LIN)	Length (in.)	Width (in.)	Bed Height (in.)	Under Bows (in.)	(ft <sup>3</sup> )	Top of Side Racks (in.)	(ft <sup>3</sup> )	Top of Steering Wheel (in.)	(ft <sup>3</sup> )
<u>2-1/2 Ton</u> M35A2C WWN (X40214)	147.0	88.0	52.0	60.0	443.0-w	37.0	277.0	29.0	217.0

$$\text{Cube} = \frac{\text{Length (in.)} \times \text{Width (in.)} \times \text{Height (in.)}}{1,728}$$
$$\text{Cube} = \frac{147 \times 88 \times 60}{1,728}$$

=443ft<sub>3</sub> (Don't forget about 'w' = cubic capacity reduced by 6.6 cubic feet for curve of bows)

# Truck Bows

Bows (frame)



## M35A3C (2.5 T Truck)

# Truck Side Racks



Top of  
Side  
Racks

**M1078 (2.5 T Truck)**

## Chapter 2

# Tables 2-16 to 2-26

- Tables 2-16 to 2-25 contains wheel base information
  - Primarily used by upper level planners
  - Seldom used at unit level
- Table 2-26 is a metric conversion table

# CHECK ON LEARNING



# QUESTION 1

Will a piece of equipment  
that is 100 inches long,  
80 inches wide, 76 inches  
high and weighing 2000  
pounds  
be found in TB 55-46-1?

, greater  
inches -  
therefore  
within criteria for  
inclusion in the  
TB 55-46-1



## QUESTION 2

A1DE are the Cargo Category Codes and the Heavy Lift Code for the M1 (Abrams) - what do these codes indicate?

**A = Vehicles (wheeled and tracked) not suitable for round marching**

**1 = Outsized Equipment (will fit in a C-5 and possibly a C-17, but not in a C-141 or a C-130)**

**D = Cannot be containerized**

**E = 51 to 60 tons and less than 35 feet in any dimension**



### QUESTION 3

The CCCH for a M2A2 Bradley Fighting Vehicle in operational configuration is A1DD. Can this vehicle be transported in a C130?





## QUESTION 4

What is the bed height of the cargo deck for a M923 5-ton cargo truck?



# Chapter 3 -- Equipment Characteristics Data

- Contains Equipment Characteristics Data
  - Starts with detailed explanation of the information contained in each column
  - 11 columns of data
- Column One: TOE LIN --Table of Organization & Equipment Line Item Number

# Chapter 3

## Column 1

- Column 1:

TOE LIN Army

TOE LIN Navy

TOE LIN Air Force

TOE LIN Union (AALPS)

TOE LIN Fictitious

**TOE LIN  
( INDEX )  
NO**

**T61494**

**CB0539**

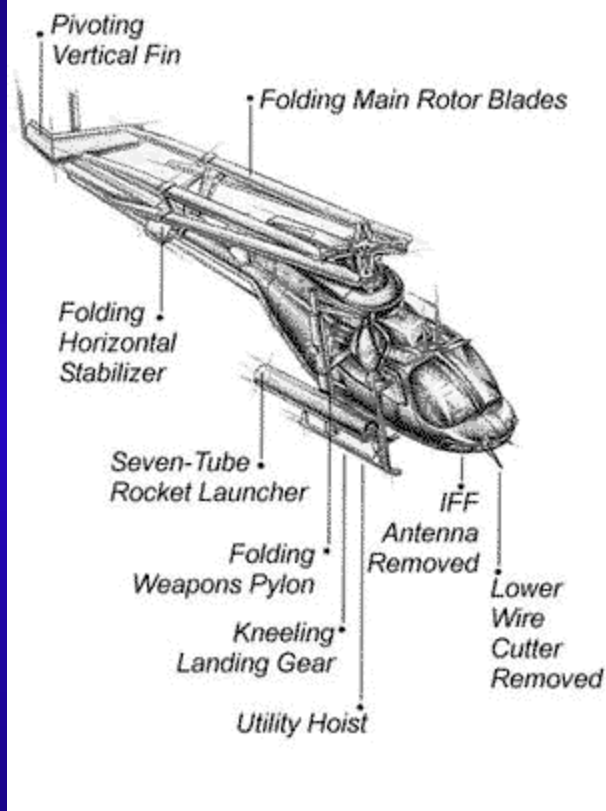
**AF2955**

**YU0285**

**YA0095**

**Bell OH-58D**

# KIOWA WARRIOR



**REDUCED CONFIGURATION FOR  
TRANSPORTATION** (two fit into a C130)

# Chapter 3

## Column 1(Cont)

- Column 1 (Cont):

TOE LIN number

“PV” - Preferred Model (generally largest and most current model) & Validated Data (by SDGC-Validated Data)

TOE LIN ( INDEX ) NO	
A21633	
PV	01
PV	03
V	04
V	05

See LIN A21633 on p.3-7

# Chapter 3

## Column 1 (Cont)

- Column 1 (Cont):

Index No: Identifies different NSNs &/or shipping configuration

TOE LIN ( INDEX ) NO	
<b>A21633</b>	
PV	01
PV	03
V	04
V	05

See LIN A21633 on p.3-7



# Chapter 3

## Column 2

- Column 2:
- **NSN.** Identifies a specific equipment model within a LIN



See LIN A21633 on p.3-7

Ref: Para 3-1c, page 3-1

<b>NATL STOCK NO. (SET) (TOE LIN)</b>	<b>C O M P</b>
<b>1520011255476</b>	

# Chapter 3

## Column 2 (Cont)

- Column 2 (Cont):
- (SET) The TOE LIN in parentheses is the proper TOE LIN to be used for reporting a set

TOE LIN ( INDEX ) NO	NATL STOCK NO. (SET) (TOE LIN)	C O M P	V E H I C L E	T Y P E  E Q U I P	LIN DESCRIPTION ( MODEL ) COMPO DESCRIPTION
R93035	(SET) Remarks		R		RADIO TERMINAL SET
V 03	5820011483976				AN/TRC-170V3
	(G42170)			U	AN/TRC-170V3
V 01	6115013199032		R	3	GEN SET DED TRL MTD
	(T07679)				PU-798
	230013469137		R	6	TRK UTIL. HVY HMMWV
V 36					M1097



# Chapter 3

## Column 3

- Column 3:  
**Component.**  
Alphabetic code  
added to an NSN to  
identify a

**Do not use the  
modified NSN for  
reporting purposes**

See LIN A21633 on p.3-7

NATL STOCK NO. (SET) (TOE LIN)	C O M P
1520011255476	A



Landing Skids

# Chapter 3

## Column 4

- Column 4: Vehicle. Code indicates whether vehicle is roadable or non-roadable.
  - “N” = Nonroadable (not suitable for road marching)
  - “R” = Roadable (capable of road marching 40 mph)



V  
E  
H  
I  
C  
L  
E

N

R

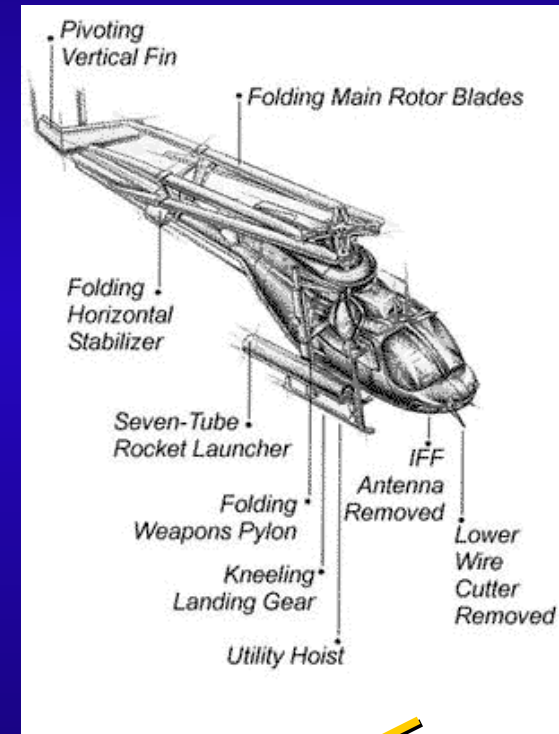
See LIN A21633 on p.3-7  
and LIN T07679 on p.3-302

# Chapter 3

## Column 5

- Column 5: Type Equipment. Numeric code used to differentiate between equipment types:

- "H" = Aircraft, rotary wing (operational)
- "K" = Aircraft, rotary wing (configuration)



**T  
Y  
P  
E  
  
E  
Q  
U  
I  
P  
M  
E  
N  
T**

**H**

**K**

See LIN A21633 on p.3-7

# Chapter 3

## Column 6

- Column 6:  
LIN Description:  
Generic  
nomenclature  
assigned a LIN  
(functional  
Model  
description)  
Description:

< - - LIN DESCRIPTION - - >  
< - - MODEL - - >  
( - COMPO DESCRIPTION - )

AERIAL SCOUT HELICOPTER  
OH-58D  
OH-58D  
LANDING SKIDS

See LIN A21633 on p.3-7

# Chapter 3

## Column 7

- Column 7: Shipping

42 different codes  
Configuration:

“8” = Flyaway (see 3-7)

“F” = Reduced for C-130 Transport (see 3-7)

“B” = Operational (Mission configuration) (see 3-394)

“C” = Reduced to minimum shipping dimensions IAW the unit’s organic maintenance capability (for example, removing canvas tops, frames and bows; securing antennas; etc)

See LIN A21633 on p.3-7  
and LIN X40009 on p.3-412

S  
H  
I  
P

C  
O  
N  
F

8

F

B

C

# Chapter 3

## Column 8

- **Column 8: Number of Pieces:**
  - The data in this column indicates the number of identical disassembled components - as detailed in the 'component description' in Column 6
  - The dimensions given in column 9 relate to a single item

**NO.  
PCS**

1

See LIN A21633 on p.3-7



# Chapter 3 Column 9

- Column 9: Dimensions, Weight & Cube for one item as described by 'Model' or 'Component Description' & Shipping Configuration



Operational



Reduced

(FOR ONE ITEM)				
DIMENSIONS			WEIGHT	
CUBE			(LB)	(CU)
<-----INCHES----->				
FT)				
LENGTH	WIDTH	HEIGHT		
<-----REMARKS----->				
495	420	155	3427	
18649				
408	74	106	3110	
1852				

420 (Operational width)  
74 (Reduced width)

See LIN A21633 on p.3-7



# Chapter 3

## Column 10

- Column 10: Cargo Vehicle Load Limits Weight, Height & Cube



**Offroad  
rated  
load  
capacity  
Height  
(Cargo deck  
+ Height  
Under Bows  
(in inches)**

CGO VEH LD LIMITS WEIGHT		CUBE
HGT TOE		LIN
(INDEX NO)		
	5000	
11		
3		450

See LIN X40009 on p.3-413/414 **Cubic capacity 'Under Bows' (in cubic feet)**

# Chapter 3

## Column 11

- Column 11(Cont): Cargo Load

Indicator (left to right): C-130, C-141, C-17, C-5, KC-10, & KC-135

Indicator:

“C” (certified by the Air Force) or “X” (qualified for aircraft [will fit]) or blank (not transportable in specified aircraft)

See LIN T61494 on p.3-357

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< AMC > < CRÄF >

CCCCCKK	DDBB	CTN	CTN	4	CCCH
1 1 15CC	CC 77	20	40		6
3 4 7 1 1	81 44	FT	FT		3
0 1 0 3	0 77				L
	5	SN			

CCCC\_ CCC N N N  
R2DA.

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator  
CRAF (left to right):  
DC-8, DC-10,  
B-747S & B-747N

Indicator:

C or X or blank

See LIN T61494 on p.3-357

< C=AF CERTIFIED >

< X= JCS CRITERIA >

<AMC > <CRAF>

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6  
347 11 8144 FT FT 3  
01 03 077

L 5 SN

CCCC -CCC N N N  
R2DA

# Chapter 3 Column 11

## Column 11(Cont)

Cargo Load Indicator

CTN:

20-ft (containers)

Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-357

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - -

< AMC > < CRÄF >

CCGCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6  
347 11 8144 FT FT 3  
01 03 077

L 5 SN

CCCC CC N N N

R2DA

# Chapter 3 Column 11

## • Column 11(Cont)(Cont)

### Cargo Load Indicator

CTN:

40-ft (containers)

Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-357

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - - >

< AMC > < CRAFT >

CCCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3  
01 03 077

L 5 SN

CCCC CC N N N

R2DA

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

463L (pallet)  
Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-357

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< --- CGO LOAD IND --- >

< AMC > < C=AF >

CCGCKK DDDBB CTN CTN 4 CC

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L5 SN

CCCC CC N N N

R2DA

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator
- Cargo  
Category  
Codes

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-357



# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category  
Codes  
C(1). Type  
Equipment

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < CRAFT >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-357

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category

Codes  
C(2): indicates  
if item is air  
transportable

See LIN T61494 on p.3-357

< C=AF CERTIFIED >  
< X=JCS CRITERIA >  
- - - - - CGO LOAD IND - - - - -

< AMC > < CRAFT >

CCCCKK	DDBB	CTN	CTN	4	CCCH
1115CC	CC77	20	40	6	
347 01	11 03	8144 077	FT	FT	3
L	5	SN			
CCC	CCC	N	N	N	
R2DA					

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category  
Codes

C(3): Can/Cannot  
be containerized

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT IT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-357

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category  
Codes

H: Weight and  
dimensions  
(<35' or >35')

See LIN T61494 on p.3-357

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - -

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA


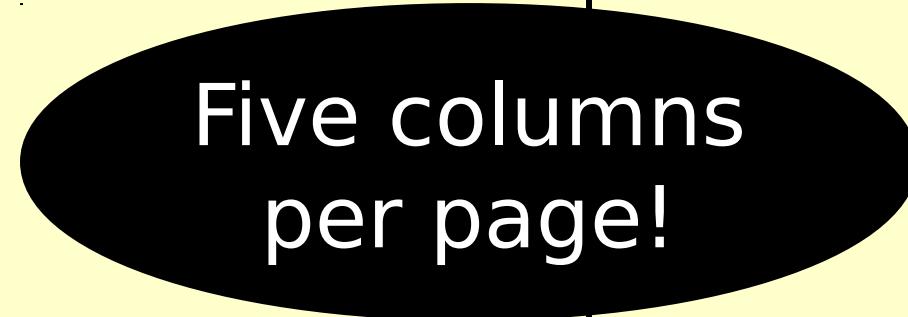
# Chapter 3

## Column 11 (Cont)

- What did our CCCH code of “R2DA” mean?
  - First: wheeled vehicle, roadable
  - Second: oversized exceeding 463L pallet size
  - Third: cannot be containerized (too wide)
  - Fourth: under 5 tons - smaller than 35' in any dimension


# Appendix B - Cross Reference

- Appendix B:
  - Cross-reference NSN to TOE LIN
- First column is NSN - listed in ascending sequence
- Second Column is corresponding TOE LIN

NSN	TOE LIN
2320010907797	CB07
2320010907828	X616
2320010907831	X420
	
	

# Appendix B - Cross Reference (Cont)

- Two listings for NSN 2320011077155
- First is CB0360
  - What does this TOE LIN tell you?
  - Navy vehicle
- Next TOE LIN is the Army vehicle (M998)

NSN	TOE LIN
2320010907797	CB07
2320010907828	X616
2320010907831	X420
	
2320011016752	CB06
2320011077153	T0509
2320011077155	CB03
2320011077155	T6149
2320011077156	T6150



# Appendix C - Cross Reference

## Appendix C:

- Cross-reference equipment model designation to TOE LIN
- Contains more information than

## Appendix B

- Provides item description, the shipping configuration, the cargo group code, the length and width, and the empty and loaded height and weight

# Appendix C - Cross Reference (Cont)

MODEL	DESCRIPTION	LIN -
M983 WWN	TRUCK TRACTOR TACT8X8	T8867
M983 WWN	TRUCK TRACTOR TACT8X8	T8867
M983/M901	TRK TRAC/LCHR STA GM	YA022
M997A1	TRK AMB 4 LITTER 4X4	T388
M998	TRK UTIL CRG/TRP CARR	T6149
M998	TRK UTIL CRG/TRP CARR	T6149
M998	TRK UTIL CRG/TRP CARR	T6149

See pg C-79

# UMD

## Reporting Procedures

- TB 55-46-1, equipment characteristics data listings are designed to facilitate preparation of UMD reports
- Data reflects specified shipping configurations
  - Use only for planning purposes
- FORSCOM Reg 55-2 requires use of TC-ACCIS / TC AIMS II for reporting UMD to FORSCOM

## UMD Reporting Procedures (Cont)

- Use of LIN & INDEX NO: When combined & properly reported, the computer (TC-ACCIS or TC-AIMS II) generates data listed to the right of the INDEX NO
- Errors in reporting either data element will result in the computer generating erroneous (BAD) data

# Summary

Chapter 1 - Purpose, Definitions, Data Specifications

Chapter 2 - Tables for Cargo Deck Dimensions

Chapter 3 - Equipment Characteristics (items are listed by TOE LIN)

Appendix B - National Stock Number to TOE LIN

Appendix C - Model designation to TOE LIN



On  
Learnin  
g

# QUESTION 1

What is the model designation of NSN 5420008892020?



LIN: L43664  
LCHR BRIDGE  
TANK MTD (Bridge  
Launcher on M60  
chassis), pp.B-16  
and 3-182



## QUESTION 2

What is the model designation of NSN  
00000000000000/LIN YA0767?



Dodge-Backscatter Van  
p.3-534

## QUESTION 3

What is the LIN/INDEX Number for an operational M548A3 Cargo Carrier?



D11049 17  
p.C-58

## QUESTION 4

Will a M1075 towing a M1076 Trailer (PLS) fit in a C-17?

Yes (YU0420 01)  
pp.C-31 and 3-573



## QUESTION 5

What is the LIN/INDEX Number for a 'Kitchen Field'?

(hint look in Appendix C under model designator of 'None')



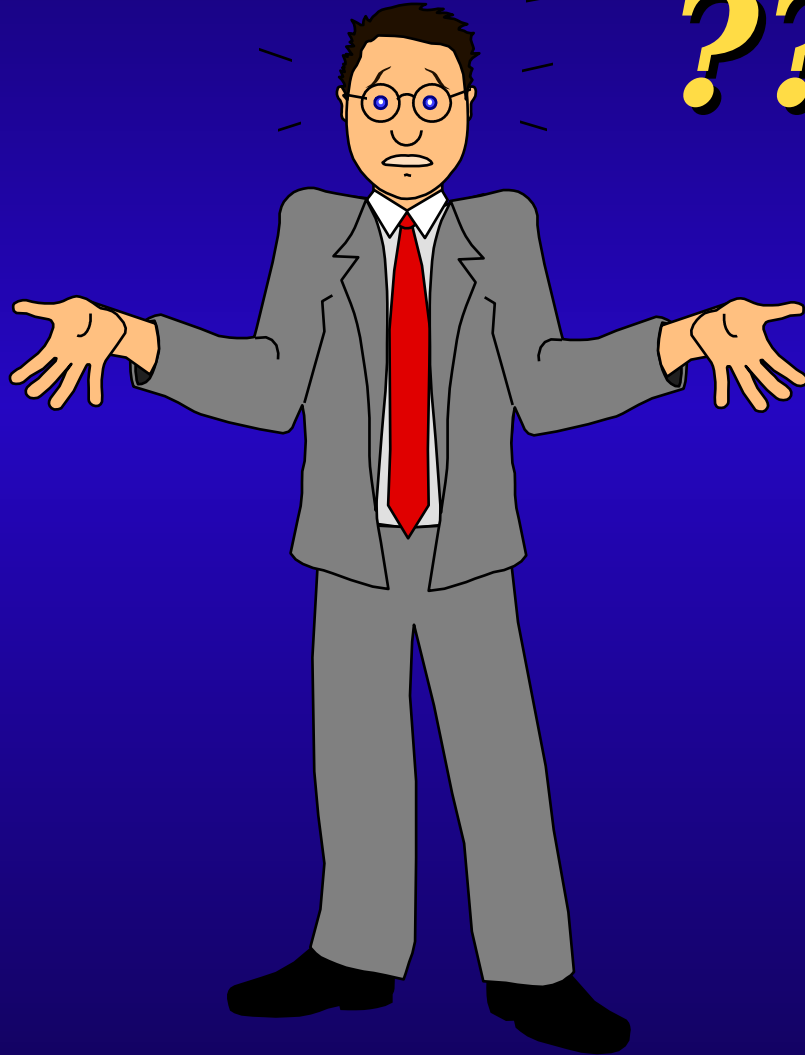
CB 5496 01  
pg.C-85

A wooden-framed chalkboard with a black surface. The text "Let's Review" is written in a bold, yellow, sans-serif font, centered on the board. The frame is made of light brown wood with a visible grain. The background is a solid blue color.

Let's  
Review

# QUESTIONS

???







# PRACTICAL EXERCISE





# Practical Exercise Tips

- You will be given one of the pieces of information:
  - 13 digit number - it is a NSN - use Appendix B (NSNs listed numerically) to find the LIN and then refer back to Chap 3
  - 6 alphanumeric characters - most likely a LIN - look it up in Chapter 3 (LINs listed alphabetically)
  - Variable number (other than six) of alphanumeric characters - most likely a Model Designation - look it up in Appendix C (models listed alphabetically) - refer back to Chap 3 using the LIN for this model to find additional information (if required)
- Cargo Deck Dimensions - refer to the tables in Chap

What's Coming

# Break



# 10 mins